



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				<p><i>Complete if Known</i></p>	
				Application Number	09/436,984
				Filing Date	November 9, 1999
				First Named Inventor	Shunpei YAMAZAKI, et al.
				Art Unit	2823
				Examiner Name	William D. Coleman
				Attorney Docket Number	740756-2063
Sheet	1	of	1		

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

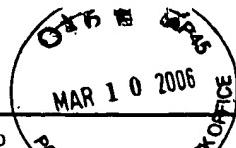
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

Examiner Signature *[Signature]* **Date Approved by:** David Colanton
Date: 11/20/2006 **Supervisor:** David Colanton, 141-1820, except William Colanton, 141-0010
Date: 2006-11-20 **Sign:** *[Signature]*

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				<i>Complete if Known</i>	
				Application Number	09/436,984
				Filing Date	November 9, 1999
				First Named Inventor	Shunpei YAMAZAKI, et al.
				Art Unit	2823
				Examiner Name	William D. Coleman
				Attorney Docket Number	740756-2063
Sheet	1	of	1		

Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

She

10

1

Attorney Docket Number

740756-2063

U.S. PATENT DOCUMENTS

~~Class~~
~~Sub-class~~

FOREIGN PATENT DOCUMENTS

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

Examiner Signature	W. David Coleman	Date Considered	04/24/2006
-----------------------	------------------	--------------------	------------

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the indication of the letter following the document code (WIPO Standard ST.16) if applicable. ⁶ Applicant's unique citation number if applicable.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Form PTO-1449 (Rev. 8-83)		U.S. Department of Commerce Patent and Trademark Office		Atty.Docket No.: 0756-2063		Serial No. 09/436,984	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant: SHUNPEI YAMAZAKI ET AL.			
				Filing Date: 11/09/99		Group: 2825 2823	
U. S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date (if approp.)
		5,643,826	07/01/97	OHTANI ET AL.			
		5,923,962	07/13/99	OHTANI ET AL.			
		5,247,190	09/21/93	FRIEND ET AL.			
		5,399,502	03/21/95	FRIEND ET AL.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
		7-130652	05/19/95	JAPAN			ABSTRACT
		8-78329	03/22/96	JAPAN			ABSTRACT
		10-135468	05/22/98	JAPAN			ABSTRACT
		10-135469	05/22/98	JAPAN			ABSTRACT
		10-294280	11/04/98	JAPAN			ABSTRACT
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		Ryuichi Shimokawa et al., Characterization of High-Efficiency Cast-Si Solar Cell Wafers by MBIC Measurement, Japanese Journal of Applied Physics, Vol. 27, No. 5, May, 1988, pp.751-758					
		Mutsuko Hatano et al., A Novel Self-Aligned Gate-Overlapped LDD Poly-Si TFT with High Reliability and Performance, IEDM Technical Digest, 1997, pp. 523-526					
		Hermann Schenk et al., "Polymers for Light Emitting Diodes", Euro-Dispaly 1999 Proceedings, pp. 33-37					
Examiner				Date Considered June 11, 2001			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

***EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

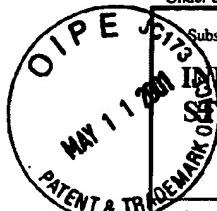
Please type a plus sign (+) inside the box → [+]

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



<p style="text-align: right;">Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				<i>Complete if Known</i>	
				Application Number	09/436,984
				Filing Date	11/09/1999
				First Named Inventor	Shunpei YAMAZAKI et al.
				Group Art Unit	2823
				Examiner Name	W. Coleman
				Attorney Docket Number	0756-2063
Sheet	1	of	1		

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear <i>(A) (B)</i>	T*
		Office*	Number* (if known)				
<i>(S)</i>	JP	11-345767		_____	12/14/99	_____	Abstract
<i>(S)</i>	JP	11-354442		_____	12/24/99	_____	Abstract

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER'S SIGNATURE - NON-ATTORNEY CIVIL LITIGATION DOCUMENTS			
Examiner Initials'	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

Examiner Signature	Miller, D. C.	Date Considered	June 11, 2001
-----------------------	---------------	--------------------	---------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → [+]

**COPY OF PAPERS
ORIGINALLY FILED**

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/436,984
		Filing Date	11/09/1999
		First Named Inventor	Shunpei YAMAZAKI et al.
		Group Art Unit	2823
		Examiner Name	W. Coleman
		Attorney Docket Number	0756-2063
Sheet	1	1	

U.S. PATENT DOCUMENTS

class / sub-class

FOREIGN PATENT DOCUMENTS

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁴

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP-609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

Form PTO-1449
(Rev. 8-83)U.S. Department of Commerce
Patent and Trademark Office

Atty Docket 0756-2063

Serial No. 09/436,984

INFORMATION DISCLOSURE STATEMENT

MAR 12 2002

Applicants: Shunpei YAMAZAKI et al.

Filing Date: November 09, 1999

Group Art Unit: 2823

U.S. PATENT DOCUMENTS

Examiner Initial	TRADE Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
(6)	5,719,065	02/17/1998	Takemura et al.			
(E)	5,926,735	07/20/1999	Yamazaki			
(P)	5,959,313	09/28/1999	Yamazaki et al.			
(E)	6,274,887	11/01/1999	Yamazaki et al.			

OTHER DOCUMENT (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	
(E)	U.S. Patent Application Serial No. 09/924,846, Specification & Drawings
(E)	U.S. Patent Application Serial No. 09/432,662, Specification & Drawings
(E)	U.S. Patent Application Serial No. 09/435,154, Specification & Drawings with Pending Claims

TC 2000 MAR 21 2002
 RECEIVED

Examiner Millicent O'NeilDate Considered July 27, 2002

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

03/05/2002



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

~~Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.~~

Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i></p>				Complete if Known	
				Application Number	09/436,984
				Filing Date	11/09/1999
				First Named Inventor	Shunpei YAMAZAKI et al.
				Art Unit	2823
				Examiner Name	William D. Coleman
				Attorney Docket Number	740756-2063
Sheet	1	of	1		

U.S. PATENT DOCUMENTS

~~Class
sub-class~~

FOREIGN PATENT DOCUMENTS

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials'	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
			X

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

NVA248280.1

<p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				<i>Complete if Known</i>	
				Application Number	09/436,984
				Filing Date	November 9, 1999
				First Named Inventor	Shunpei YAMAZAKI et al.
				Art Unit	2823
Examiner Name	William D. COLEMAN Oct 18 2002				
Sheet	1	of	2	Attorney Docket Number	740756-2063
U.S. PATENT DOCUMENTS					
Examiner Initials	Citz No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Inventor or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code (if known)			
	1	US-4,357,557	November 2, 1982	INOHARA et al.	
	2	US-4,658,496	April 21, 1987	BEINVOGL et al.	
	3	US-5,072,263	December 10, 1991	WATANABE et al.	
	4	US-5,107,175	April 21, 1992	HIRANO et al.	
	5	US-5,124,204	June 23, 1992	YAMASHITA et al.	
	6	US-5,189,405	February 23, 1993	YAMASHITA et al.	
	7	US-5,405,791	April 11, 1995	AHMAD et al.	
	8	US-5,593,907	January 14, 1997	ANJUM et al.	
	9	US-5,686,360	November 11, 1997	HARVEY, III et al.	
	10	US-5,693,956	December 2, 1997	SHI et al.	
	11	US-5,757,126	May 26, 1998	HARVEY, III et al.	
	12	US-5,771,562	June 30, 1998	HARVEY, III et al.	
	13	US-5,786,620	July 28, 1998	RICHARDS, JR. et al.	
	14	US-5,801,416	September 1, 1998	CHOI et al.	
	15	US-5,811,177	September 22, 1998	SHI et al.	
	16	US-5,827,747	October 27, 1998	WANG et al.	
	17	US-5,869,929	February 9, 1999	EIDA et al.	
	18	US-5,914,498	June 22, 1999	SUZAWA et al.	
	19	US-5,929,483	July 27, 1999	KIM et al.	
	20	US-5,952,778	September 14, 1999	HASKAL et al.	
	21	US-5,956,588	September 21, 1999	CHOI et al.	
	22	US-5,962,962	October 5, 1999	FUJITA et al.	
	23	US-6,114,183	September 5, 2000	HAMADA et al.	
	24	US-6,114,715	September 5, 2000	HAMADA	
	25	US-6,140,667	October 31, 2000	YAMAZAKI et al.	
	26	US-6,146,225	November 14, 2000	SHEATS et al.	
	27	US-6,150,187	November 21, 2000	ZYUNG et al.	
	28	US-6,165,824	December 26, 2000	TAKANO et al.	
	29	US-6,198,217	March 6, 2001	SUZUKI et al.	
	30	US-6,198,220	March 6, 2001	JONES et al.	
	31	US-6,200,836	March 13, 2001	YOO	
	32	US-6,207,519	March 27, 2001	KIM et al.	
	33	US-6,239,470	May 29, 2001	YAMAZAKI	
	34	US-6,268,071	July 31, 2001	YASUKAWA et al.	
	35	US-6,280,559	August 28, 2001	TERADA et al.	
	36	US-6,285,042	September 4, 2001	OHTANI et al.	
	37	US-6,330,044	December 11, 2001	MURADE	
	38	US-6,335,541	January 1, 2002	OHTANI et al.	
	39	US-6,348,368	February 19, 2002	YAMAZAKI et al.	
	40	US-6,348,382	February 19, 2002	SU et al.	
	41	US-6,363,917	April 2, 2002	YAMAZAKI	NOT CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

<p>Substitute for Form 1449B/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				<i>Complete if Known</i>																																																																																																													
				Application Number		09/436,984																																																																																																											
				Filing Date		November 9, 1999																																																																																																											
				First Named Inventor		Shunpei YAMAZAKI et al.																																																																																																											
				Group Art Unit		2823																																																																																																											
				Examiner Name		William D. COLEMAN																																																																																																											
Sheet	2	of	2	Attorney Docket Number	740756-2063																																																																																																												
<table border="1"> <thead> <tr> <th>Case No.</th> <th>Cited Art</th> <th>US-6,365,933</th> <th>April 2, 2002</th> <th>YAMAZAKI et al.</th> <th>CONSIDERED</th> </tr> </thead> <tbody> <tr><td></td><td>42</td><td>US-6,380,558</td><td>April 30, 2002</td><td>YAMAZAKI et al.</td><td></td></tr> <tr><td></td><td>43</td><td>US-6,413,643</td><td>July 2, 2002</td><td>GRAFF et al.</td><td></td></tr> <tr><td></td><td>44</td><td>US-6,420,200</td><td>July 16, 2002</td><td>YAMAZAKI et al.</td><td></td></tr> <tr><td></td><td>45</td><td>US-6,432,561</td><td>August 13, 2002</td><td>YAMAZAKI</td><td></td></tr> <tr><td></td><td>46</td><td>US-6,433,487</td><td>August 13, 2002</td><td>YAMAZAKI</td><td></td></tr> <tr><td></td><td>47</td><td>US-6,440,877</td><td>August 27, 2002</td><td>YAMAZAKI et al.</td><td></td></tr> <tr><td></td><td>48</td><td>US-6,441,468</td><td>August 27, 2002</td><td>YAMAZAKI</td><td>CONSIDERED</td></tr> <tr><td></td><td>49</td><td>US-6,447,867</td><td>September 10, 2002</td><td>KOMINAMI et al.</td><td></td></tr> <tr><td></td><td>50</td><td>US-6,469,317</td><td>October 23, 2002</td><td>YAMAZAKI et al.</td><td></td></tr> <tr><td></td><td>51</td><td>US-6,501,098</td><td>December 31, 2002</td><td>YAMAZAKI</td><td></td></tr> <tr><td></td><td>52</td><td>US-6,524,805</td><td>February 25, 2003</td><td>YAMAZAKI et al.</td><td></td></tr> <tr><td></td><td>53</td><td>US-6,555,969</td><td>April 29, 2003</td><td>YAMAZAKI</td><td></td></tr> <tr><td></td><td>54</td><td>US-6,590,230</td><td>July 8, 2003</td><td>YAMAZAKI et al.</td><td>CONSIDERED</td></tr> <tr><td></td><td>55</td><td>US-6,605,826</td><td>August 12, 2003</td><td>YAMAZAKI et al.</td><td></td></tr> <tr><td></td><td>56</td><td>US-6,617,644</td><td>September 9, 2003</td><td>YAMAZAKI et al.</td><td></td></tr> <tr><td></td><td>57</td><td>US-6,645,826</td><td>November 11, 2003</td><td>YAMAZAKI et al.</td><td></td></tr> <tr><td></td><td>58</td><td>US-2002/0125817</td><td>September 12, 2002</td><td>YAMAZAKI et al.</td><td></td></tr> </tbody> </table>						Case No.	Cited Art	US-6,365,933	April 2, 2002	YAMAZAKI et al.	CONSIDERED		42	US-6,380,558	April 30, 2002	YAMAZAKI et al.			43	US-6,413,643	July 2, 2002	GRAFF et al.			44	US-6,420,200	July 16, 2002	YAMAZAKI et al.			45	US-6,432,561	August 13, 2002	YAMAZAKI			46	US-6,433,487	August 13, 2002	YAMAZAKI			47	US-6,440,877	August 27, 2002	YAMAZAKI et al.			48	US-6,441,468	August 27, 2002	YAMAZAKI	CONSIDERED		49	US-6,447,867	September 10, 2002	KOMINAMI et al.			50	US-6,469,317	October 23, 2002	YAMAZAKI et al.			51	US-6,501,098	December 31, 2002	YAMAZAKI			52	US-6,524,805	February 25, 2003	YAMAZAKI et al.			53	US-6,555,969	April 29, 2003	YAMAZAKI			54	US-6,590,230	July 8, 2003	YAMAZAKI et al.	CONSIDERED		55	US-6,605,826	August 12, 2003	YAMAZAKI et al.			56	US-6,617,644	September 9, 2003	YAMAZAKI et al.			57	US-6,645,826	November 11, 2003	YAMAZAKI et al.			58	US-2002/0125817	September 12, 2002	YAMAZAKI et al.	
Case No.	Cited Art	US-6,365,933	April 2, 2002	YAMAZAKI et al.	CONSIDERED																																																																																																												
	42	US-6,380,558	April 30, 2002	YAMAZAKI et al.																																																																																																													
	43	US-6,413,643	July 2, 2002	GRAFF et al.																																																																																																													
	44	US-6,420,200	July 16, 2002	YAMAZAKI et al.																																																																																																													
	45	US-6,432,561	August 13, 2002	YAMAZAKI																																																																																																													
	46	US-6,433,487	August 13, 2002	YAMAZAKI																																																																																																													
	47	US-6,440,877	August 27, 2002	YAMAZAKI et al.																																																																																																													
	48	US-6,441,468	August 27, 2002	YAMAZAKI	CONSIDERED																																																																																																												
	49	US-6,447,867	September 10, 2002	KOMINAMI et al.																																																																																																													
	50	US-6,469,317	October 23, 2002	YAMAZAKI et al.																																																																																																													
	51	US-6,501,098	December 31, 2002	YAMAZAKI																																																																																																													
	52	US-6,524,805	February 25, 2003	YAMAZAKI et al.																																																																																																													
	53	US-6,555,969	April 29, 2003	YAMAZAKI																																																																																																													
	54	US-6,590,230	July 8, 2003	YAMAZAKI et al.	CONSIDERED																																																																																																												
	55	US-6,605,826	August 12, 2003	YAMAZAKI et al.																																																																																																													
	56	US-6,617,644	September 9, 2003	YAMAZAKI et al.																																																																																																													
	57	US-6,645,826	November 11, 2003	YAMAZAKI et al.																																																																																																													
	58	US-2002/0125817	September 12, 2002	YAMAZAKI et al.																																																																																																													
FOREIGN PATENT DOCUMENTS																																																																																																																	
Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear																																																																																																												
		Country Code ²	Number ³ (If known)																																																																																																														
					T ⁴																																																																																																												
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS																																																																																																																	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.																																																																																																															
Examiner Signature	<i>Miles J. Miller</i>		Date Considered	February 21, 2005																																																																																																													

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

JUN 10 2005 (use as many sheets as necessary)

Sheet	of	2	<i>Complete if Known</i>
			Application Number 09/436,984
			Filing Date November 9, 1999
			First Named Inventor Shunpei YAMAZAKI et al.
			Art Unit 2823
			Examiner Name William D. Coleman
			Attorney Docket Number 740756-2063

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-3,933,529	01-20-1976	GOSER	
		US-5,254,490	10-19-1993	KONDO	
		US-5,323,042	06-21-1994	MATSUMOTO	
		US-5,358,879	10-25-1994	BRADY et al.	
		US-5,594,569	01-14-1997	KONUMA et al.	
		US-5,693,959	12-02-1997	INOUE et al.	
		US-5,719,588	02-17-1998	JOHNSON	
		US-5,912,492	06-15-1999	CHANG et al.	
		US-5,965,919	10-12-1999	YOO	
		US-5,990,542	11-23-1999	YAMAZAKI	
		US-6,008,869	12-28-1999	OANA et al.	
		US-6,166,396	12-26-2000	YAMAZAKI	
		US-6,180,957 B1	01-30-2001	MIYASAKA et al.	
		US-6,274,887 B1	08-14-2001	YAMAZAKI et al.	
		US-6,281,552 B1	08-28-2001	KAWASAKI et al.	
		US-2003/0138985 A1	07-24-2003	RHODES	
		US-6,617,644 B1	09-09-2003	YAMAZAKI et al.	
		US-6,784,037 B2	08-31-2004	YAMAZAKI et al.	

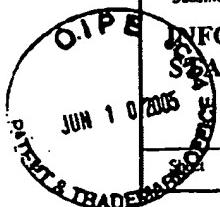
FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Kind Code ² (if known)			
		JP 03-250632	11-08-1991	KONDO	Abstr.
		JP 04-369271	12-22-1992	TAKEDA et al.	Full
		JP 05-102483	04-23-1993	UEDA	Full
		JP 09-116167	05-02-1997	MIYASAKA et al.	Abstr.

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²		
		YOSHIDA et al., 33.2: A Full-Color Thresholdless Antiferroelectric LCD Exhibiting Wide Viewing Angle with Fast Response Time, SID 97 DIGEST: SID International Symposium Digest of Technical Papers, 1-1-1997, pp. 841-844.			

Examiner Signature *Miller-Doll* Date Considered *July 27, 2005*

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/436,984
		Filing Date	November 9, 1999
		First Named Inventor	Shunpei YAMAZAKI et al.
		Group Art Unit	2823
		Examiner Name	William D. Coleman
		Attorney Docket Number	740756-2063
2015	2	of	2

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>ca</i>		H. FURUE et al., P-78: Characteristics and Driving Scheme of Polymer-Stabilized Monostable FLCD Exhibiting Fast Response Time and High Contrast Ratio with Gray-Scale Capability, SID 98 DIGEST: SID International Symposium Digest of Technical Papers, 01-01-1998, pp. 782-785.	
<i>ca</i>		INUI et al., Thresholdless Antiferroelectricity In Liquid Crystals and Its Application to Displays, Journal of Materials Chemistry, 1/1/1996, pp. 671-673, Vol. 6, No. 4.	
<i>ca</i>		EKISHO, Time Divided Full Color LCD by Ferroelectric Liquid Crystal, 7/25/1999, pp. 190-194, Vol. 3, No. 3.	
<i>ca</i>		TERADA et al., Half-V Switching Mode FLCD, Proceedings of the 46 th Applied Physics Association Lectures, 3/1/1999, pp. 1316, Vol. 28p-V-8.,	
<i>ca</i>		Webster's II New Riverside University Dictionary, pp. 839.	

**Examiner
Signature**

Matt D. Orl

Date Considered

July 27, 2005

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.